

2006

**COMPLIANCE TRAINING SCHEDULE
AND
COMPLIANCE ASSISTANCE PUBLICATIONS**



**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
AIR RESOURCES BOARD
ENFORCEMENT DIVISION**

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The Program



PURPOSE

The dynamic transitions occurring in business and government, including the rapid changes in technology and sweeping new legislation, continue to challenge the environmental community. These changes are mandating redefined priorities and increased workloads that must be accomplished with tight budgets. Today, more than any time in the past, it is essential that professionals in the environmental field receive quality training to keep current with this accelerated evolution.

The Air Resources Board (ARB) Enforcement Division proudly offers this essential training. The purpose of this program is to provide comprehensive education to further the professional development of environmental specialists. The courses offered in this program provide current, practical, usable, and cost-effective information for both new and experienced environmental professionals working in California. We offer similar training throughout the country and internationally.

CURRICULUM

These nationally recognized and award-winning programs offer a standardized core curriculum, including both entry-level training and continuing education. The training utilizes videos, digital presentation technologies, guest speakers, and field or site visits. These courses encourage communication and networking between environmental personnel, with the goal of achieving emission reductions and solving compliance problems through professionalism and teamwork.

These courses cover pollution history, the procedures required to properly evaluate emissions, the analysis of industrial processes, theory and application of emission controls, and waste stream reduction. The focus is on maintaining compliance with applicable laws and regulations. Wherever possible, each course includes a field visit to reinforce skills, knowledge, and practical applications learned in each course. The training is designed to provide students with skills that can be immediately applied to their work in the field. In addition, the curriculum can be customized and tailored to the specific needs of a group or industry at any appropriate meeting location, thus greatly reducing client travel costs.

INSTRUCTORS

The curriculum is designed and presented by instructors with many years experience in air pollution control, working together as an interdisciplinary team. Their education includes business, engineering, health science, biological science, air quality monitoring, law enforcement, and more. Their experience includes stationary source permitting, inspection, source testing, and regulatory enforcement.

The instructors are highly experienced in adult education and they are experts in developing courses, seminars, workshops, and conferences. The training staff and the management of the ARB share a commitment to excellence which assures the program meets the sophisticated needs of today's environmental professional.

**** (Note: Please check the web at; <http://www.arb.ca.gov/training/calendar.htm> for the latest version of the training calendar. All class times, locations, and instructors are subject to change. This copy of the catalog updated December 5, 2005.) ****

COMPLIANCE ASSISTANCE PUBLICATIONS

The Compliance Assistance Program (CAP) develops and publishes a variety of technical manuals, interactive materials on CD, self-inspection handbooks, and compliance advisories for industry and local government. Training Section staff work closely with CAP staff to develop these materials. The technical manuals and CDs are the primary references used in the training courses and provide in-depth, source-specific information for inspectors and facility environmental specialists.

The CAP also assists business by producing and distributing self-help literature that explains air pollution rules in everyday terms. Handbooks and pamphlets are brief (15 to 25 pages), colorful, and easy to read with helpful inspection checklists, flowcharts, diagrams, and illustrations.

For your convenience, beneath each description of a course in this catalog, we have identified the corresponding publication numbers for each handbook, pamphlet, and technical manual. Some courses do not have corresponding CAP publications. For a complete listing of CAP publications and prices see Appendix C of this catalog or go to www.arb.ca.gov/cap/cap.htm.

REGISTRATION INFORMATION

Enrollment for most courses is limited depending on the classroom size. Early registration is encouraged for all courses. Each class has a minimum enrollment, which, if not met, may cause class cancellation. Please contact the registrar, Nancy Thompson, for enrollment and administrative information. Registration will be accepted in four ways:

1. **Telephone:** (916) 322-2227
2. **Fax:** (916) 323-3303
3. **E-mail:** arbtrain@arb.ca.gov
4. **Mail:** Air Resources Board
 Registrar, ED Training Section
 PO Box 2815
 Sacramento, CA 95812

Registrations will be accepted in the order received. For more specific course information, please contact the course instructors listed in the course descriptions. A registration form is available in Appendix A, or online at www.arb.ca.gov/training/registra.htm.

Special Accommodation

If you have special needs which require reasonable accommodation, please contact Nancy Thompson at (916) 322-2227 or nthomps@arb.ca.gov as soon as possible. TTY/TDD/Speech-to-Speech users may dial 7-1-1 for the California Relay Service.

Course Fees

| Course | Environmental Agency* | Industry & Public |
|---|-----------------------|-------------------|
| Fundamentals of Enforcement (Course 100) | \$0 | \$350 |
| VEE Recertification (Courses 100.1 & 100.2) | \$0 | \$100 |
| UAQTP 100 Series (4 days, Courses 101-115) | \$0 | \$500 |
| 200 Series 1 day course | \$0 | \$150 |
| 200 Series 2 day course | \$0 | \$250 |
| 300 Series 1 day course | \$0 | \$150 |
| 300 Series 3 day course | \$0 | \$375 |
| 400 Series 3 day course | \$50 | \$300 |
| Cross Media Enforcement Symposium (300) | \$300 | \$600 |
| Basic Inspector Academy (Course 310) | \$50 | \$500 |
| Introduction to Hearing Board Workshop (321) | \$25 | \$125 |
| Advanced Hearing Board Workshop (322) | \$50 | \$250 |
| Smoke Management Training (Course 375) | \$0 | \$250 |
| Dry Cleaning Operator Initial Certification (387) | N/A | \$100 |
| Dry Cleaning Operator Recertification | N/A | \$50 |
| Dry Cleaning Trainer Initial Certification | N/A | \$150 |
| Dry Cleaning Trainer Recertification | N/A | \$100 |

*"Environmental Agency" means governmental bodies with environmental regulatory authority.

These fees are for courses offered in California only. Payments must be received with the course application, payable to "California Air Resources Board." You may pay by credit card. Call or write us with the following: the type of credit card, the name on the card, the number of the card, and the expiration date of the card. For security reasons we discourage emailing or faxing this information. In addition, if your business meets the criteria stipulated in Health and Safety Code 40503(b)(1) subsections (A)(B) pertaining to small businesses, you may be eligible for a discount (excluding VEE Re-certification) on some course fees.

Cancellation Policy

If a registration is cancelled less than 14 working days before the first day of class, no refund of course fees will be made and any unpaid course fees will be due. Substitution for the individual originally registered is permitted with prior approval.

On-Site Course Presentations

Most of our courses can be presented when and where needed to a group at any suitable facility. The courses can be tailored to organizational needs by changing the duration or adapting to a multi-session format.

Travel And Lodging

Course participants are responsible for their personal travel and lodging arrangements.

100 SERIES COURSES



VISIBLE EMISSIONS EVALUATION PROGRAM

The Air Resources Board trains regulators and industry representatives to perform U.S. EPA Method 9 for reading visible emissions and certifies individuals in visible emissions evaluation (VEE). This certification is valid for six months and must be renewed by attending Course #100.1 (day certification) and/or Course #100.2 (night certification). Persons who are new to VEE must take Course 100, Fundamentals of Enforcement as a prerequisite.

Coordinator: Min Li
Phone: (916) 323-1168
E-mail: mli@arb.ca.gov

COURSE 100 FUNDAMENTALS OF ENFORCEMENT

This three-day course presents a basic overview of air pollution related topics & is a prerequisite to certifying as a visible emission evaluator. Participants will learn U.S. EPA Method 9 for reading visible emissions & will have the opportunity to obtain visible emission evaluation (VEE) certification. In addition, the course covers air pollution & its effects, meteorology, water vapor plumes, air pollution law, inspection procedures, and diesel smoke enforcement. VEE certification is valid for six months and must be renewed by attending Course 100.1 or Course 100.2. Enrollment in Course 100 is limited & advanced registration is required. Our Fundamentals of Enforcement schedule is subject to change. Please check our web site for the latest scheduling information at: <http://www.arb.ca.gov/cap/vee.htm>

Handbook 93-023

2006 Scheduled courses:

| | |
|-----------------|------------------|
| San Diego | January 10-12 |
| Sacramento | Feb 28 – March 2 |
| Sacramento | April 10-13 |
| San Luis Obispo | March 28-30 |
| Sacramento | June 13-15 |
| Monterey | October 3-5 |
| Diamond Bar | December 5-7 |

COURSE 100.1 RECERTIFICATION IN VISIBLE EMISSION EVALUATION

Recertification in visible emissions evaluation is required every six months. This one-day course provides students the opportunity to re-certify. Day certification is conducted from 8:30 a.m. to 3:00 p.m. For schedule updates, check www.arb.ca.gov/cap/100_1.htm

Prerequisite: Course 100- Fundamentals of Enforcement.

2006 Scheduled courses:

| | |
|-----------------|--|
| Bakersfield | April 20, October 19 |
| Long Beach | January 25, July 26 |
| Madera | March 23, Sept. 26 |
| Monterey | March 22, October 5 |
| Pleasanton | Mar. 8 & 9, Sept. 13 & 14 |
| Redding | March 16, Sept. 21 |
| San Diego | January 12, July 12 |
| San Dimas | Jan. 26, July 27, Dec. 7 |
| San Luis Obispo | March 30 |
| Ventura | January 31, August 1 |
| Victorville | April 19, Oct. 18 |
| W. Sacramento | March 2, April 13, May 3, June 15, Sept. 6, November 1 |

COURSE 100.2 NIGHT CERTIFICATION IN VISIBLE EMISSION EVALUATION

This course provides students with the opportunity to certify in night visible emissions evaluation. This certification is valid for six months. Night certification begins at official sunset time, hence the start time changes with the season and location. For schedule updates, check www.arb.ca.gov/cap/100_2.htm

Prerequisite: Course 100, Fundamentals of Enforcement.

2006 Scheduled courses:

| | |
|-----------------|---|
| Bakersfield | April 20, October 19 |
| Pomona | January 24 & 26, July 25 & 27, December 6 |
| Monterey | October 4 |
| San Diego | January 11 |
| San Luis Obispo | March 29 |
| W. Sacramento | March 1, April 12, June 14 |



THE UNIFORM AIR QUALITY TRAINING PROGRAM (UAQTP)

UAQTP is a 4-day series of 14 courses providing an introduction to air pollution control and enforcement. The program is intended for entry-level stationary source inspectors, regulatory agency staff, & environmental specialists in business & government. Students will learn the basics of air pollution history, the evolution of environmental laws & regulations, control equipment, and inspection procedures associated with inspections to ensure proper compliance. Students are encouraged to ask questions & share their experiences. More information about each course is listed below.

Coordinator: Ben Sehgal
 Phone: (916) 327-3953
 E-mail: rsehgal@arb.ca.gov

2006 Scheduled courses:

| | |
|------------|----------------|
| Sacramento | February 21-24 |
| Sacramento | July 18-21 |

COURSE 101 HISTORY OF AIR POLLUTION

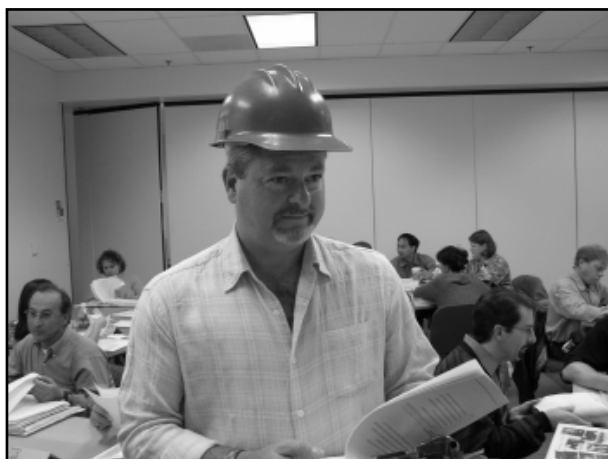
The course provides a brief, entertaining, historical tour of air pollution from social, political, cultural, and technological perspectives. The key events covered are historical incidents that brought attention to air pollution as a significant health & welfare problem.

COURSE 102 METEOROLOGY AND CLIMATOLOGY

The Meteorology and Climatology course examines the atmospheric factors that influence the accumulation and dispersion of air pollution both globally and locally. Atmospheric thermodynamics, topography, and airflow are discussed as they apply to the formation and transportation of air pollutants.

COURSE 103 CLASSIFICATION OF AIR POLLUTANTS

The major classes of air contaminants are discussed in this course. The concept of criteria and non-criteria pollutants is introduced followed by a discussion of ambient air quality standards. Emissions inventories and reduction strategies are also covered.



COURSE 104 INSPECTOR SAFETY

Inspector Safety outlines some of the potential hazards encountered during common source inspections. This course includes discussions on the selection & use of safety equipment & its application to various workplace environments. Walking, climbing, burn, electrical, & explosion dangers are addressed as they apply to source inspections. For more detailed information about inspector health & safety, students are encouraged to enroll in Course 202, Health & Safety.

COURSE 105 CONCEPTS OF REGULATORY DEVELOPMENT

This course presents the principles, rules, & guidelines governing regulatory development. Federal, state, and local processes are explored, with emphasis on those that affect district rule-making. Programs and terminology such as AQMPs, SIP, CTGs, RACT, BACT, NSPS, NSR and NESHAPS will be explained.

COURSE 106 INSPECTION AND REPORT WRITING TECHNIQUES

This course will give an overview of the physical and administrative techniques to effectively inspect various sources that fall under the jurisdiction of air pollution agencies. This is presented in two phases: the first discusses general procedures for conducting effective source inspections; the second deals with formatting and writing clear, concise, and complete inspection reports.

COURSE 107 BASIC AIR POLLUTION CONTROL EQUIPMENT

Some common methods for controlling particulate and gaseous air emissions are covered in this course. An overview of the operating principles of typical emission control devices are discussed, including key inspection considerations. For more detailed information about particular control devices and processes, students are encouraged to enroll in our 200-series courses.

COURSE 109 COMPLAINT RESPONSE PROCEDURES

This course introduces the principles of processing air pollution nuisance complaints with special emphasis on the field investigation process. Legal aspects of public nuisance laws associated with air pollution, causes of complaints, complaint investigation, and resolution of complaints are some of the subjects discussed.

COURSE 110 SAMPLING GATHERING AND INTEGRITY

This course presents an overview of the methods used to ensure sample integrity with special emphasis on the chain of custody procedure. Specifically, the topics will include standard sample gathering procedures, protocols for specific samples, and general safety concerns.



COURSE 111 BASIC CHEMISTRY OF AIR POLLUTION

This introductory course discusses the basic concepts of air pollution chemistry, including simple chemical reactions and the nomenclature for important hydrocarbon compounds. Discussions will also include ozone formation in the atmosphere, air toxics, acid deposition, and indoor air pollution.

COURSE 112 EVOLUTION OF ENVIRONMENTAL LAW

This course gives a brief overview of how air pollution laws, rules, and regulations are developed. The course will cover basic legal principles, courtroom proceedings and tactics, as well as significant cases that have led to modern-day air pollution laws.

COURSE 113 INSPECTOR CONDUCT AND LIABILITY

Inspector Conduct and Liability is designed to familiarize field inspectors with commonly accepted practices and procedures regarding their professional conduct. This course addresses legal entry, right to inspect, confidential material, and the potential consequences and legal ramifications of illegal conduct or tactics.

COURSE 114 AIR QUALITY MONITORING CONCEPTS

This course covers the basic concepts involved in ambient and source monitoring. Reasons for monitoring, monitoring instruments and their use, and the acquisition and use of air quality data are discussed. For more in-depth coverage of this topic, students are

encouraged to enroll in Course 222, Principles of Ambient Air Monitoring.

COURSE 115 INTERFACING WITH RELATED AGENCIES

This course will examine the kinds of interactions air pollution control professionals might have with different local, state, and federal government agencies. Interactions related to permitting, issuance of Notice of Violation (NOV), follow-up of violations, environmental crimes and emergencies, rule making, and other areas will be covered. For more information about interfacing with other agencies and cross-media inspections, students are encouraged to enroll in Course 300, Cal/EPA's Annual Environmental Cross Media Enforcement Symposium.



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200 SERIES COURSES



200 SERIES COURSES

The 200 Series courses are designed for environmental professionals in government or industry who specialize in air pollution compliance. Each 200 series course focuses on a specific source category and reviews the general process, theories and applications, source emissions and control techniques, applicable laws and regulations, typical source permit conditions, record keeping and monitoring requirements, and compliance inspection procedures.

These one and two day courses are comprised of interactive classroom instruction followed by “hands-on” field training at a representative facility which enhances the student’s learning experience. Classes generally start at 8:30 a.m. and conclude at 5:00 p.m.. Students must bring applicable safety equipment such as hard hats, safety glasses, ear protection, and safety shoes to participate in the field visit. The field visit and the satisfactory completion of the course exam are required before a “Certificate of Completion” is issued. It is recommended that students complete the 100 series courses prior to attending the 200 series courses, and the 200 series courses before the 300 series courses.



COURSE 202 HEALTH AND SAFETY

Field inspections involve a certain degree of risk. Inspections of wastewater treatment plants, manufacturing plants, laboratories, and mines are each associated with various hazards. A safe field inspection depends on the recognition, evaluation, and control of hazards. Cal/OSHA (California Occupational Safety and Health Act) regulations and established safety policies are continually being updated. This course and the manual have been assembled as a “hands-on” tool for all personnel conducting field activities.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

2006 Scheduled courses:

To be announced

COURSE 210 GASOLINE CARGO TANKS

This one-day course will focus on Phase I vapor recovery as it relates to the loading of gasoline cargo tanks. This course provides information on how to determine and maintain compliance of vapor recovery systems on cargo tanks. Additionally, the course includes a manual that discusses legal requirements, vapor recovery systems and equipment, and processes and emission controls.

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

Handbook 99-003

2006 Scheduled courses:
South Coast August 8



COURSE 221 CONTINUOUS EMISSION MONITORING

Continuous emission monitoring (CEM) involves determining compliance of stationary sources with their emission limitations on a continuous basis. CEM are also used for process control and to monitor the operations of the control equipment. This course reviews the purpose and applicability of CEM systems mandated by federal regulations such as 40 CFR Part 60 and Part 75. We will discuss several different types of commercially available extractive & in situ systems with emphasis on performance specifications, including installation, design, testing, & certification. The course also discusses data recording & reporting requirements, system calibration & quality assurance program including procedures for conducting performance audits (CGA, linearity & RATA).

Coordinator: Ben Sehgal
Phone: (916) 327-3953
E-mail: rsehgal@arb.ca.gov

Technical Manual 97-229

2006 Scheduled courses:

| | |
|-------------|----------|
| South Coast | March 8 |
| Fresno | March 29 |
| Monterey | July 26 |
| Redding | August 8 |

COURSE 222 PRINCIPLES OF AMBIENT AIR MONITORING

This one-day course covers the basic design & theory of ambient air monitoring, quality assurance & quality control methods as they relate to monitoring instruments, site development criteria, & data processing. This course addresses ozone, oxides of nitrogen, carbon monoxide, hydrocarbon, particulate and sulfur dioxide monitors, meteorology systems, data recording systems, gas calibration systems, & zero air systems. Course 114, Air Quality Monitoring Concepts is recommended before taking this course.

Coordinator: Eric Walton
Phone: (916) 324-5868
E-mail: ewalton@arb.ca.gov

Technical Manual 00-235

2006 Scheduled courses:

| | |
|------------|---------|
| Sacramento | July 12 |
|------------|---------|

COURSE 224
OBSERVING SOURCE TESTS



Observations of compliance performance emission tests are an important part of any air pollution enforcement program. Data obtained during these tests are used to determine compliance with regulatory standards or to determine baseline operating conditions for a source. We present the basic principles of source test observation (STO) and the fundamentals of source testing methods, including Method 5, sampling train & procedures. We also discuss sample recovery observations, procedural inspections, calculations, report writing and QA techniques. Students will participate in a Method 5 sampling train "mock inspection" and receive hands-on training.

Coordinator: Ben Sehgal
Phone: (916) 327-3953
E-mail: rsehgal@arb.ca.gov

Technical Manual 01-236

2006 Scheduled courses:

| | |
|-------------|----------|
| South Coast | March 9 |
| Fresno | March 30 |
| Monterey | July 27 |
| Redding | August 9 |

COURSE 230
SURFACE COATING OPERATIONS:
METAL PARTS AND PRODUCTS

This course addresses paints & coatings used in the manufacture or refurbishment of metal parts & products. Combining lecture, discussion, and informational video, students are introduced to topics such as coating formulation, volatile content limits, transfer efficiency, application equipment, inspector sampling, & laboratory analysis for liquid & powder coatings. This course is a prerequisite for all classes in the Course 230 series.

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

| | |
|------------------|------------------|
| Technical Manual | 95-202 |
| Handbook | 90-010 - English |
| Handbook | 90-011 - Spanish |

2006 Scheduled courses:
Fresno September 6

COURSE 230.1
SURFACE COATING OPERATIONS:
AEROSPACE INDUSTRY

Coating processes are addressed as they apply to the manufacturing and refurbishment of aircraft and aerospace parts. This one-day course is a combination of lecture and discussion providing an overview that includes inspection strategy, procedure, and safety concerns. Discussion topics include: how aerospace coatings differ from other metal parts and products coatings, volatile organic content limits, inspection techniques, and the National Emission Standard for Hazardous Air Pollutants (NESHAPs). **Prerequisite:** Course 230

Coordinator: Terone Preston
Phone: (916) 322-0255
E-mail: tpreston@arb.ca.gov

Technical Manual 97-207, Handbook 90-008

2006 Scheduled courses:
To be announced

COURSE 230.2
SURFACE COATING OPERATIONS: AUTO
REFINISHING

This one-day course focuses on the operations of the auto refinishing industry. This course consists of four hours of lecture and



four hours of field training. The emphasis is on a strategy for achieving reductions from a large number of small sources operating in a variety of environmental conditions. Inspection procedures, strategy, safety concerns, coating formulations, application equipment, and pollution control equipment will be discussed.

Prerequisite: Course 230.

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

| | |
|------------------|------------------|
| Technical Manual | 91-214 |
| Handbook | 91-015 - English |
| Handbook | 92-017 - Spanish |

2006 Scheduled courses:
Fresno September 7

COURSE 230.3
SURFACE COATING OPERATIONS:
METAL CONTAINER CLOSURE & COIL
COATING OPERATIONS

This one-day course will review the steps to manufacture two-piece aluminum and three-piece steel cans, as well as the chemical and physical demands on coatings for the metal



packaging industry. The extensive testing required for the Food and Drug Administration, as well as taste and product-coating compatibility will have serious ramifications on one's choice of coatings. Each of these parameters will be discussed relative to enforcement, effective VOC control strategies, and new coatings development.

Prerequisite: Course 230

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

| | |
|------------------|--------|
| Technical Manual | 91-212 |
|------------------|--------|

2006 Scheduled courses:
Bay Area July 11

COURSE 230.4 GRAPHIC ARTS

This course addresses the use of inks, coatings and surface preparation/cleanup materials used in the graphic arts industry. Classroom discussion will focus on printing methods, process descriptions, emission control techniques, and inspection procedures. Discussion of regulatory issues such as the federal NESHAPS, RACT guidelines, and the local prohibitory rules are also included. Students will also receive firsthand experience during the afternoon field visit (mock inspection) at a local business with a permitted printing operation.

Coordinator: Tom Raschke
Phone: (916) 445-0961
E-mail: traschke@arb.ca.gov

| | |
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| Technical Manual | 92-217 |
| Handbook | 97-028 - English |
| Handbook | 98-029 - Spanish |

2006 Scheduled courses:
Sacramento November 8

COURSE 233 SOLVENT CLEANING: DEGREASING OPERATIONS

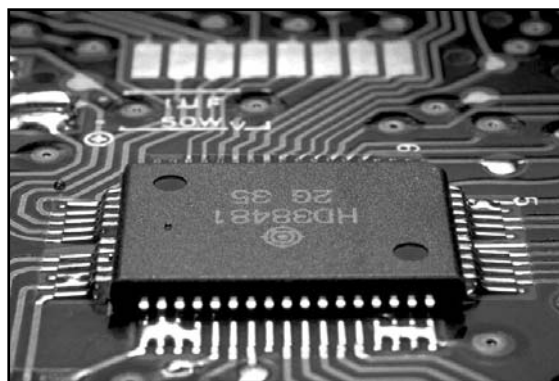
This one-day course provides base line information on a variety of solvents cleaning and degreasing operations. Topics include: types of solvents, types of degreasers, emission control equipment used and inspection procedures. Discussion of regulatory issues such as the Title III MACT standards, NESHAPS for Halogenated Solvents, RACT/BARCT guidelines and local prohibitory rules are also included. Students will also receive first-hand experience during the afternoon field visit (mock inspection) at a local business with a permitted solvent cleaning operation.

Coordinator: Tom Raschke
Phone: (916) 445-0961
E-mail: traschke@arb.ca.gov

| | |
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| Technical Manual | 96-224 |
| Handbook | 89-004 |

2006 Scheduled courses:
To be announced

COURSE 234 PRINTED CIRCUIT BOARDS



This course focuses on the processes and equipment used to control the emissions from printed circuit board manufacturing. Classroom discussion will focus on process description, rules and regulations, control equipment, and inspection procedures. The afternoon field visit will give the students hands-on inspection experience.

Coordinator: Eric Walton
Phone: (916) 324-5868
E-mail: ewaltonr@arb.ca.gov

| | |
|------------------|--------|
| Technical Manual | 98-233 |
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2006 Scheduled courses:
To be announced



COURSE 242 HOT MIX ASPHALT FACILITIES

Hot Mix Asphalt (HMA) facilities produce asphaltic concrete. Asphaltic concrete is a mixture of well-graded, high quality aggregate and asphalt cement that is heated and mixed in measured quantities. This course discusses the process of hot mix asphalt production, equipment, types of air pollution control, and techniques on how to perform a compliance inspection. There will be a field visit in the afternoon. Participants must bring their hard hats, safety shoes, hearing and eye protection.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Interactive CD Technical Manual 90-209
Handbook 90-006

2006 Scheduled courses:
Bakersfield February 1
Sacramento June 21

COURSE 243 AGGREGATE PLANTS

Aggregate plants produce sand and gravel and crushed stone. These plants can also be considered major air pollution sources. Upon completion of this one-day course, the participant will better understand the process flow of sand and gravel and crushed stone operations and the legal requirements associated with

aggregate plants. A field visit is included to provide hands-on inspection techniques. In order to participate in the field visit, all students are required to bring appropriate safety equipment (hard hat, safety shoes, hearing and eye protection).

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

2006 Scheduled courses:
Bakersfield February 2
Sacramento June 22



COURSE 244 CONCRETE BATCH PLANTS

Concrete is a mixture of water, cement, sand, gravel, and other substances designed to harden and form durable surfaces and structures. A batch plant is a facility that collects and stores concrete ingredients, selects and combines proportions, and dispenses the mixture into a mixer-truck. This one-day course covers process and control, air pollution control measures, inspection procedures, and legal requirements applicable to concrete batch plants. There will be a field visit in the afternoon. Participants must bring their hard hats, safety shoes, hearing and eye protection.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Technical Manual 94-222

2006 Scheduled courses:
Sacramento March 16

COURSE 245 CEMENT PLANTS

Cement is a powdered substance made primarily of burned lime, clay, and fly ash. Cement manufacturing involves many processes including mining, crushing, screening, recovery, calcining, finishing, grinding, conveying, and shipping. Particulates can be emitted during any of these steps. Facilities can also operate on a variety of fuels requiring additional air pollution control. This course covers the production processes of cement manufacture with the corresponding air pollution control issues. There will be a field visit in the afternoon. Participants must bring their hard hats, safety shoes, hearing, and eye protection.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Technical Manual 96-227

2006 Scheduled courses:
Tehachapi December 6

COURSE 251 ASBESTOS DEMOLITION AND RENOVATION (D/R)

Designed for presentation to air pollution inspectors, a variety of asbestos issues are discussed in this one-day course. Since contamination is a major concern when working near asbestos, safety is emphasized. Inspections and proper and thorough case development are outlined and reviewed as is locating non-notifiers. Group participation is encouraged throughout the course. Specific coverage is given to health effects of exposure, containment practices, sampling, and documentation.

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

Technical Manual 90-208

2006 Scheduled courses:
South Coast August 9



COURSE 252 FUGITIVE DUST

The control of fugitive dust has become a common strategy in meeting the attainment standards for P.M. This course presents some of the basic principles of fugitive dust control including: the how, what, where and health impacts of particulate matter, the problem that fugitive dust presents, the rules and regulations that have been adopted to control fugitive dust, the methods that are used to determine violations of these regulations, the products that are available for controlling fugitive dust, and the use of community outreach in a successful dust control strategy.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

2006 Scheduled courses:
Fresno July 6

COURSE 260 OIL FIELD PRODUCTION

This one-day course provides information on production methods, related emissions, applicable regulations and inspection techniques associated with oil field production. This information assists air pollution inspectors in conducting more accurate and comprehensive inspections, as well as providing industry with the methods to comply with air pollution regulations. There will be a field visit in the afternoon. Participants must bring their hard hats, safety shoes, hearing, and eye protection.

Coordinator: **Ed Virgin**

Phone: (916) 322-5866

E-mail: evirgin@arb.ca.gov

| | |
|------------------|--------|
| Technical Manual | 92-216 |
| Handbook | 93-021 |

2006 Scheduled courses:

| | |
|-------------|--------------|
| South Coast | August 24 |
| Bakersfield | September 28 |

COURSE 261 POLYESTER/EPOXY RESIN, FIBERGLASS & COMPOSITE MANUFACTURING

This course covers the history, use of raw materials, production methods, emission control methods, and inspection procedures for polyester resin and fiberglass facilities. It also covers pollution prevention, legal requirements, and RACT/BARCT. Inspectors will understand what is required of the facility to remain in compliance with the requirements. A field visit to a local facility will provide a hands-on inspection.

Course Coordinator: **Ben Sehgal**

Phone: (916) 327-3953

E-mail: rsehgal@arb.ca.gov

| | |
|------------------|--------|
| Technical Manual | 99-234 |
|------------------|--------|

2006 Scheduled courses:

| | |
|-------------|----------|
| Victorville | March 14 |
|-------------|----------|

COURSE 262 FUGITIVE VOC INSPECTIONS

This course provides practical information for conducting fugitive VOC inspections at petroleum refineries, chemical process facilities, and fuel storage and marketing facilities. The course covers the equipment that may exhibit fugitive leaks, review leak detection and repair (LDAR) regulations and standards, and discuss compliance monitoring, record keeping, and recording requirements. Portable leak detection instruments are discussed and students will use one or more of these instruments at a regulated facility. The primary audience for this course is air quality compliance inspectors. Course 395 is for facility personnel.

Coordinator: **Ed Virgin**

Phone: (916) 322-5866

E-mail: evirgin@arb.ca.gov

2006 Scheduled courses:

| | |
|-------------|------------|
| Bay Area | March 14 |
| Bakersfield | December 7 |

COURSE 265 BALANCE VAPOR RECOVERY FOR OWNERS/ OPERATORS

This short course will begin with how evaporative emissions from motor fuel transfer impacts human health & activity. Focus then shifts to the effectiveness of vapor recovery as an emission control strategy. The course concludes with the air pollution inspection & how the owner/operator can avoid administrative penalties with self-inspection & routine maintenance. Emphasis is on handling hardware & one-page inspection checklists.

Coordinator: **Terone Preston**

Phone: (916) 323-0255

E-mail: tpreston@arb.ca.gov

| | |
|------------------|--------|
| Technical Manual | 94-201 |
| Handbook | 00-009 |

2006 Scheduled courses:

To be announced

COURSE 266 ASSIST VAPOR RECOVERY FOR OWNER/OPERATORS

This course begins with how evaporative emissions from motor fuel transfer impacts human health & activity. The effectiveness of vapor recovery as an emission control strategy will be discussed. The ultimate goal is to understand the object of the air pollution inspection & how the owner/operator can avoid administrative penalties with self inspection & routine maintenance. Hardware & inspection checklists are emphasized. Each class will address the types of assist systems operated by those in attendance.

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

2006 Scheduled courses:
To be announced



COURSE 270 INCINERATORS

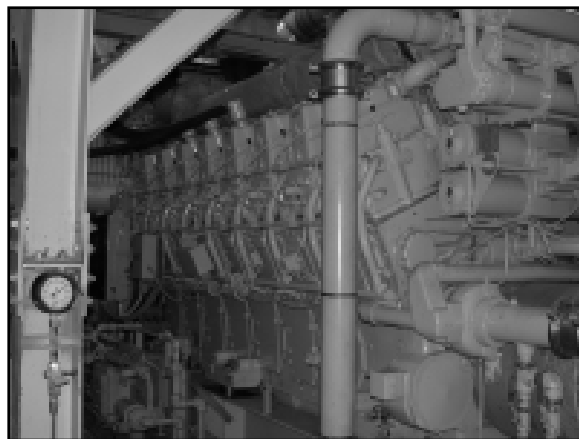
This one-day course will focus on the process, emission control equipment and inspection procedures of small to medium sized solid waste incinerators. The types of incinerators include biomedical, pathological, crematories and commercial heat stripping ovens. This course does not address municipal waste combustors, biomass or hazardous waste incinerators. There is an afternoon field visit where students will receive first-hand experi-

ence during a "mock inspection" of a local business with a permitted incinerator.

Coordinator: Tom Raschke
Phone: (916) 445-0961
E-mail: traschke@arb.ca.gov

Technical Manual 93-219

2006 Scheduled courses:
Redding March 29
Victorville June 29
South Coast September 14



COURSE 271 STATIONARY RECIPROCATING ENGINES

Stationary reciprocating engines are used widely for power generation, gas compression, and many other purposes. They are also a significant source of air contaminants and as such are the focus of increased regulation. This course covers reciprocating engine operating theory, both standard and "cutting-edge" emission control technologies, regulations, permit conditions, and inspection procedures.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Technical Manual 98-231
Pamphlet 91-012

2006 Scheduled Course:
Sacramento January 11
Fresno November 15



COURSE 272 STATIONARY GAS TURBINES AND POWER PLANTS

With an increase in demand of the electric utility industry, stationary gas turbines have become more popular in recent years as combined-cycles, peaking power plants & cogeneration facilities. The course discusses uses of gas turbines, fundamentals of operation of modern turbines with emphasis on state-of-the-art controls to achieve some of the lowest emission concentrations for this source category. The course also discusses combined cycles with HRSG units, steam turbines & power generation. This is followed by a detailed discussion on emissions & control techniques such as Dry Low-NOx combustors with staged combustion, water, or steam injection followed by SCR & CO catalysts. Applicable federal & local BACT regulations, permitting requirements, & agency inspection procedures & safety concerns are thoroughly discussed.

Course Coordinator: Ben Sehgal
Phone: (916) 327-3953
E-mail: rsehgal@arb.ca.gov

Technical Manual 96-225

2006 Scheduled courses:

| | |
|-------------|--------------|
| Redding | September 28 |
| South Coast | October 12 |
| Fresno | October 26 |



COURSE 273 INDUSTRIAL BOILERS

Boilers are one of the most common emission sources & range in use from small fire tube boilers to large utility boilers associated with power plant facilities. The course discusses uses of boilers, heat transfer methods & fundamentals of operation of modern industrial & utility boilers including those fired by natural gas, biomass, municipal waste & coal (circulating fluidized bed units). The course also discusses steam turbines & power generation. This is followed by a detailed discussion on emissions & control techniques such as Low-NOx burners, FGR, staged combustion, SCR & SNCR. New technologies such as Ultra Low-NOx 9 ppm burners, applicable federal & local BACT regulations, permitting requirements, & agency inspection procedures & safety concerns are thoroughly discussed.

Course Coordinator: Ben Sehgal
Phone: (916) 327-3953
E-mail: rsehgal@arb.ca.gov

Technical Manual 97-228

2006 Scheduled courses:

| | |
|-------------|--------------|
| Redding | September 27 |
| South Coast | October 11 |
| Fresno | October 25 |



COURSE 281 ELECTROSTATIC PRECIPITATORS

When the pollutant is fine particulate or aerosols and the control device is an electrostatic precipitator, what can the inspector do to confirm that it is operating properly? This course will help the inspector understand the fundamentals of electrostatic precipitator operation and the likely defects or operator oversights. Topics include: theory and design, cleaning cycles, operation and maintenance, and inspection techniques.

Coordinator: Eric Walton
Phone: (916) 324-5868
E-mail: ewaltonr@arb.ca.gov

Technical Manual 90-206

2006 Scheduled courses:

| | |
|-------------|------------|
| Fresno | June 13 |
| South Coast | June 27 |
| Redding | October 11 |



COURSE 282 BAGHOUSES

Baghouses are one of the most effective and widely used control devices for fine particulate matter. This course will present the major uses for baghouses, operational theory and design, applicable regulations, permit conditions, and inspection procedures. The course also includes a brief discussion of baghouse troubleshooting and maintenance.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Technical Manual 94-213, Pamphlet 91-014

2006 Scheduled courses:

| | |
|------------|-------------|
| Sacramento | January 12 |
| Fresno | November 16 |

COURSE 283 SOIL DECONTAMINATION

This one-day course covers the basic technological aspects of soil remediation processes such as vapor extraction, thermal treatment, and bioremediation. The emphasis is on inspection of decontamination sites for compliance with air pollution regulations and permits.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Technical Manual 91-211, Pamphlet 91-013

2006 Scheduled courses:

To be announced

COURSE 284

VOC CONTROL DEVICES/ SCRUBBERS

This course provides an overview of equipment used to control the emissions of volatile organic compounds (VOC's). This course will cover VOC control equipment such as absorbers, adsorbers, condensers, and oxidizers. Classroom discussion will focus on process descriptions, rule discussion, and inspection procedures for the VOC control equipment. The afternoon field visit will allow students to see and inspect one of the control options covered in class.

Coordinator: Eric Walton
Phone: (916) 324-5868
E-mail: ewaltonr@arb.ca.gov

Technical Manual 95-223

2006 Scheduled courses:

| | |
|------------|--------------|
| Sacramento | March 22 |
| Fresno | September 20 |

COURSE 285

LANDFILL GAS CONTROL DEVICES

This one-day course provides inspectors with an introduction to the operation of landfill gas facilities including monitoring, collection and control systems, as well as applicable inspection techniques. During the mock inspection portion of the class, students will gain hands-on inspection experience.

Coordinator: Eric Walton
Phone: (916) 324-5868
E-mail: ewaltonr@arb.ca.gov

Technical Manual 96-226

2006 Scheduled courses:

| | |
|-------------|---------|
| Fresno | June 14 |
| South Coast | June 28 |



COURSE 287

DRY CLEANING

This one-day course emphasizes the Airborne Toxic Control Measure (ATCM) for Perchloroethylene from Dry Cleaning Operations. Classroom discussion will focus on the dry cleaning process, emission controls, and the inspector's role in verifying compliance with all local, state, and federal regulations for the use of perchloroethylene in dry cleaning. Students will receive first-hand experience during the afternoon field visit at a local business with permitted dry cleaning equipment.

Coordinator: Tom Raschke
Phone: (916) 445-0961
E-mail: traschke@arb.ca.gov

| | |
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| Interactive CD | |
| Technical Manual | 02-220 |
| Handbook | 95-025 - English |
| Handbook | 95-027 - Korean |

2006 Scheduled courses:

| | |
|-------------|--------------|
| Redding | March 28 |
| Victorville | June 28 |
| South Coast | September 13 |
| Sacramento | December 6 |

COURSE 288 PETROLEUM REFINING

This two-day course focuses on the inspection of petroleum refining processes and facilities. Introductory information will be provided on the various processes found within a petroleum refining complex. This course is intended to provide an inspector with a framework of information to build upon for conducting more accurate and comprehensive inspections at specific petroleum refining facilities. There will be a field visit in the afternoon. Participants must bring their hard hats, safety shoes, hearing, and eye protection.

Coordinator: Ed Virgin
Phone: (916) 322-5866
E-mail: evirgin@arb.ca.gov

Technical Manual 94-221

2006 Scheduled courses:

| | |
|-------------|-----------------|
| South Coast | August 22-23 |
| Bakersfield | September 26-27 |

COURSE 290 MACT GENERAL BACKGROUND INFORMATION

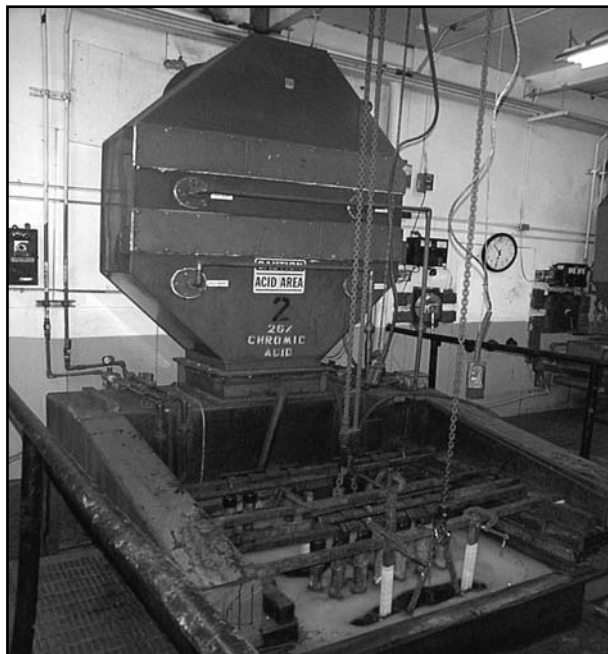
This one day course provides general background information on (1) various ARB and EPA toxic regulations/programs: MACTs and ATCMs, California Air Toxics "Hot Spots" Program, U.S. EPA Significant Risk Programs, U.S. EPA & California Accidental Release Prevention Programs; (2) list of toxic air contaminants and hazardous air pollutants, and of U.S. EPA's toxic source categories; (3) pathways for ARB and U.S. EPA enforcement; and (4) lowering MACT sources' potential to emit.

Course Coordinator: Eric Walton
Phone: (916) 324-5868
E-mail: ewalton@arb.ca.gov

2006 Scheduled courses:

| | |
|-------------|--------------|
| Victorville | March 15 |
| Sacramento | March 21 |
| San Diego | June 29 |
| Fresno | September 19 |
| Redding | October 12 |

COURSE 290.3 CHROME PLATING AND ANODIZING



This one day course will present process and control information on chrome plating and anodizing facilities followed by a review of the inspection check sheet (which includes pertinent regulation requirements) developed for use in conducting inspections of such sources.

Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

| | |
|----------|------------------|
| Handbook | 02-033 - English |
| Handbook | 02-034 - Spanish |

2006 Scheduled courses:

| | |
|-------------------------|-------------|
| San Joaquin Valley APCD | November 21 |
|-------------------------|-------------|

300 SERIES COURSES



*****Note: In most cases it is recommended that students complete the 100 series courses prior to attending the 200 series courses, and 200 series courses before taking 300 series courses. *****

COURSE 300 ENVIRONMENTAL CROSS MEDIA ENFORCEMENT SYMPOSIUM

Cal/EPA's Environmental Cross Media Enforcement Symposium will be held in San Diego, California, from May 30 to June 2, 2006. The course objective is to provide a forum where participants can gain knowledge about advanced enforcement techniques.

The Symposium focuses on enforcement subjects involving each program/media (air, water, waste, toxics and pesticides) and possible cross media, cross program impacts (commonly referred to as "cross media"). This interdisciplinary approach recognizes that many environmental issues cannot be fully addressed without the involvement of more than one environmental regulatory entity.

Participants will learn from top enforcement professionals and learn proven techniques to improve the effectiveness of inspection, investigation, administrative, civil, and criminal enforcement practices. Participants will learn how to identify different violations encountered in each media, determine what agencies may need notification after violations are identified, whether violations may be administrative, civil or criminal offenses, and what follow-up enforcement actions need to be taken.

The 2006 Symposium will include the latest environmental scenarios. The latest enforcement methods will also be addressed at the Symposium by top officials from Cal/EPA and Cal/EPA's Air Resources Board, Department of Toxic Substances Control, Integrated Waste Management Board, Water Resources Control Board, and the Department of Pesticide Regulation. In addition, local environmental enforcement staff and local prosecutors will offer their perspectives on current issues.



Registration and Fees

Registration fees will be used to partially defray Symposium expenses. Payment must be made in advance by credit card, personal or corporate check. Please make registration fees payable to the "Air Resources Board." The fees are:

- \$300 for environmental control agency inspectors and law enforcement representatives received by 5/4/06.
- \$330 for environmental control agency inspectors and law enforcement representatives received after 5/4/06.
- \$600 for other governmental & industry representatives received by 5/4/06.
- \$630 for other governmental & industry representatives received after 5/4/06.
- \$55 for Continuing Education Units (enclose a separate payment payable to "California State University, Sacramento").

Coordinator: Dannie-Marie Mitchell
Phone: (916) 327-2977
E-mail: arbtrain@arb.ca.gov

2006 Schedule:

San Diego

May 30-June 2



COURSE 310 CAL/EPA BASIC INSPECTOR ACADEMY

This one-week course is designed to teach environmental agency inspectors and other environmental compliance professionals core knowledge and inspection skills, and also encourage cross media awareness of environmental violations. Environmental professionals and attorneys teach the classes. Students will participate in a mock inspection and mock testimony. In addition, the following topics are covered:

- Role of the Inspector
- Environmental Chemistry
- Environmental Law
- Role & Responsibilities of Cal/EPA
- Resolving Environmental Violations
- Inspection Overview
- Personal Safety in the Field
- Report Writing
- Interviewing Skills
- Sampling and Evidence Collection

Coordinator: Nancy Thompson
 Phone: (916) 322-2227
 E-mail: nthompsonso@arb.ca.gov

2006 Academy Schedule:

| | |
|-------------|-----------------|
| Fresno | March 21-24 |
| Los Angeles | September 19-22 |
| Sacramento | November 14-17 |

COURSE 321 INTRODUCTION TO VARIANCES/HEARING BOARD WORKSHOP

And

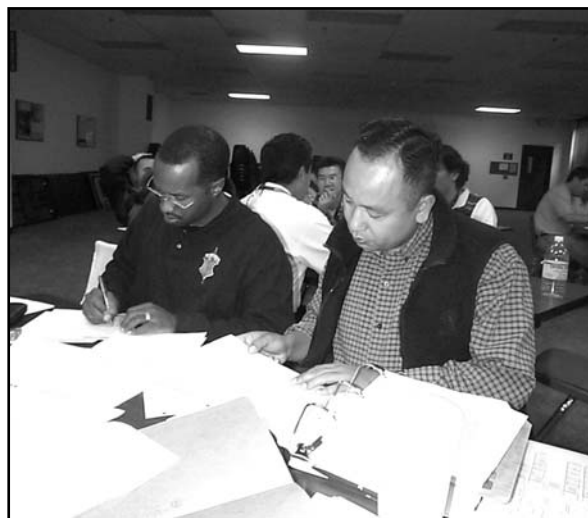
COURSE 322 ADVANCED VARIANCES/HEARING BOARD WORKSHOP

These workshops, produced by ARB Enforcement Division, are designed to train hearing board members, hearing board clerks, district staff, consultants, lawyers, and any interested public members on California Health and Safety Code (CH&SC) requirements for variances and abatement orders. Specifically, we discuss the six findings required under the CH&SC, the Clean Air Act and Title V, new legislation, counsel's role, the Chair's role, hearing board policy and procedures. We also cover the factors contributing to an effective district variance program, ARB's auditing criteria and review process.

Coordinator: Vickie McGrath
 Phone: (916) 324-7343
 E-mail: vmcgrath@arb.ca.gov

2006 Scheduled courses:

Please contact the Course Coordinator





COURSE 330 PERMITTING STAFF DEVELOPMENT WORKSHOP

This two-day workshop focuses on statewide training for air district permit services staff. Day one focuses on common stationary sources & controls and provides an overview of the permitting process including New & Modified Source Review (NSR), BACT review, Offsets & ERCs, Title V & Federal NSR. Participants will also be introduced to common prohibitory & source specific rules as well as New Source Performance Standards (NSPS) & National Emission Standards for Hazardous Air Pollutants (NESHAPS). Day two focuses on application review & effective permit writing, risk management, statewide control programs & compliance considerations.

Course Coordinator: Ben Sehgal
Phone: (916) 327-3953
E-mail: rsehgal@arb.ca.gov

2006 Scheduled courses:
To be announced

COURSE 340 GASOLINE FACILITIES PHASE I AND II

This three-day seminar presents a complete overview of the gasoline vapor recovery program. The history, certification and testing requirements, Executive Orders, types of vapor recovery systems and equipment, installation and compliance inspections, compliance test procedures, and Enhanced Vapor Recovery are discussed. Participants will also conduct field inspections and testing of gasoline dispensing facilities. Service station installers, and repair and maintenance contractors are encouraged to enroll in this seminar.



Coordinator: Terone Preston
Phone: (916) 323-0255
E-mail: tpreston@arb.ca.gov

Technical Manual 02-201
Handbook 00-009

2006 Scheduled courses:
Fresno March 7-9
Ventura August 22-24

**COURSE 370
VISIBLE EMISSION EVALUATION
OPERATORS WORKSHOP**

This three-day course is designed for State and Local Air Control Agency Personnel and Contractors who conduct visible emissions evaluation training. This is a hands on training course that will cover operation and maintenance of smoke generator training equipment, legal aspects, regulations requiring visible emission evaluations and changes in certification procedures. An optional VEE night and day certification will also be offered.

Coordinator: Min Li

Phone: (916) 323-1168

E-mail: mli@arb.ca.gov

2006 Scheduled courses:

To be announced

**COURSE 375
SMOKE MANAGEMENT WORKSHOP**

This two-day Workshop emphasizes importance of proper smoke management & its impact on dispersion. Speakers will include representatives of CARB, EPA Region IX, air pollution control districts, & National Parks & Forest Service. Specific topics will focus on meteorology, laws & regulations of prescribed burns, fuel consumption & combustion & emission calculations, weather & smoke dispersion, smoke management plans, public notification & health effects, & federal policy on wild land & prescribed fires, & an overview of Title 17.

Coordinator: Ed Virgin

Phone: (916) 322-5866

E-mail: evirgin@arb.ca.gov

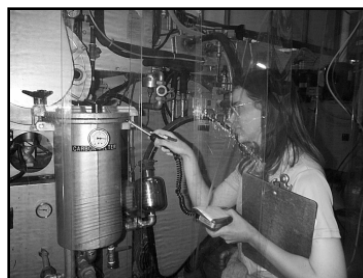
Handbook 94-024

2006 Scheduled courses:

South Coast March 29-30

Redding December 13-14

**COURSE 387
DRY CLEANER
AIR TOXIC CONTROL MEASURE**



This one-day/half-day course is designed to meet the requirements of the *Airborne Toxic Control Measure (ATCM) for Perchloroethylene* from Dry Cleaning Operations. The primary objective is to certify "trainers" and "operators" pursuant to the requirements of the ATCM and to promote understanding on how to comply with the control measure. A certificate of completion will be issued to each student who successfully completes the certification program. First time enrollees who have never been certified are required to attend the entire day and recertification enrollees are required to attend the afternoon portion. For additional information on inspecting dry cleaning operations, see course #287.

Coordinator: Tom Raschke

Phone: (916) 445-0961

E-mail: traschke@arb.ca.gov

Interactive CD

Technical Manual 02-220

Handbook, English 195-025

Handbook, Korean 95-027

2006 Scheduled courses:

Please call for Information

**COURSE 395
FUGITIVE EMISSIONS OPERATOR
TRAINING**

This one-day course provides training in fugitive emissions monitoring procedures for technical field staff at refineries, marketing terminals, and oil and gas production facilities. Topics covered include: component identification and counting; performance quality assurance for portable hydrocarbon analyzers; preparing portable hydrocarbon analyzers for field use; component screening procedures; factors affecting accuracy of measurements; and emissions inventory overview. The course will assist fugitive monitoring operators in following uniform and consistent methods statewide. Successful completion of this course will satisfy one of the requirements for operator certification at air pollution control districts that require such certification.

Course Coordinator: Ed Virgin

Phone: (916) 322-5866

E-mail: evirgin@arb.ca.gov

2006 Scheduled courses:

To be announced

400 SERIES COURSES



**COURSE 400
ADVANCED AIR QUALITY ENFORCEMENT
WORKSHOP**



This is a four-day accelerated learning workshop for advanced level air quality inspectors, supervisors and mid-level managers focusing on advances in air quality enforcement. The workshop is designed to provide an in-depth analysis of several key enforcement issues. The workshop provides a forum for an extensive, incisive analysis of critical issues confronting air quality inspection personnel. The workshop features a participative, interactive methodology of discussion, hypothetical problems, and practical exercises. Workshop presenters and panel members are experienced in their appropriate fields and were selected based on the ability to present dynamic, informed presentations. The Workshop Agenda outlines the selected issues, but discussion will not be limited to them.

Coordinator: Nancy Thompson
Phone: (916) 322-2227
E-mail: arbtrain@arb.ca.gov

2006 Scheduled courses:

| | |
|-------------|----------------|
| Sacramento | February 14-16 |
| Los Angeles | November 7-9 |

Appendix A

Registration Form



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Compliance Training Program Registration Form

PLEASE provide all the information requested below. If you are sending this form by US mail, please attach the student's business card. Please complete a separate form for each person enrolling in courses. An individual may be enrolled for multiple courses on a single form. If you have registration questions, please call (916) 322-2227 or visit us on the web at <http://www.arb.ca.gov/training/training.htm>.

Include your payment by check with your course application, payable to **California Air Resources Board**. Payment with a major credit card is acceptable. Please have your credit card information ready and telephone the Registrar at the number listed above. For security reasons, do NOT e-mail or fax credit card information.

SEND COMPLETED FORMS TO: Fax to: (916) 323-3303
Mail to: Registrar
Air Resources Board
Enforcement Division, Training Section
P.O. Box 2815
Sacramento, CA 95812

PLEASE PROVIDE THE FOLLOWING:

| | | | |
|---|---|---|-------------|
| Student Name <i>last, first, middle</i> | | | |
| <input type="checkbox"/> I have taken previous ARB courses. | | <input type="checkbox"/> My name has changed. Old name: | |
| Student Number: <i>(if known)</i> | | <input type="checkbox"/> My employer/address/phone has changed. | |
| Job Title: | | | |
| Employer: | | Division/Section: | |
| Address: | | | |
| City: | | State: | Zip: |
| Work Phone: | Alternate Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell <input type="checkbox"/> Pager <input type="checkbox"/> Fax | | |
| Email Address: | | | |

| Course Number | Course Title | Date Offered | Course Location | Course Fee |
|---------------|--------------|--------------|-----------------|------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

For information about course fees, please visit www.arb.ca.gov/training/registra.htm

Total Amount Enclosed: \$

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Appendix B

Fundamentals of Enforcement and Visible Emission Evaluation Recertification Schedule



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2006 Fundamentals of Enforcement and Visible Emission Evaluation Re-certification Schedule

Course #100 - Fundamentals of Enforcement

Advance registration is required—Please call (916) 322-2227

| | |
|-----------------------------|-----------------|
| January 10-12, 2006 | San Diego |
| February 28 – March 2, 2006 | Sacramento |
| March 28-30, 2006 | San Luis Obispo |
| April 11, 2006 | Sacramento |
| June 13-15, 2006 | Sacramento |
| October 3-5, 2006 | Monterey |
| December 5-7, 2006 | Diamond Bar |

Visible Emission Evaluation Recertification (Course 100.1 & 100.2)

Pre-registration is not required for VEE Recert. Check our website for last minute changes.

Day certifications begin at 8:30 am and night certifications begin at official sunset time.

Day cert.: www.arb.ca.gov/CAP/100_1.htm Night cert.: http://www.arb.ca.gov/CAP/100_2.htm

| DAY (Course 100.1) | LOCATION | NIGHT (Course 100.2) |
|---------------------------|-----------------|-----------------------------|
| Thursday, January 12 | San Diego | Wednesday, January 11 |
| | Pomona | Tuesday, January 24 |
| Wednesday, January 25 | Long Beach | |
| Thursday, January 26 | San Dimas | |
| | Pomona | Tuesday, January 26 |
| Tuesday, January 31 | Ventura | |
| Thursday, March 2 | West Sacramento | Wednesday, March 1 |
| Wednesday, March 8 | Pleasanton | |
| Thursday, March 9 | Pleasanton | |
| Thursday, March 16 | Redding | |
| Wednesday, March 22 | Monterey | |
| Thursday, March 23 | Madera | |
| Thursday, March 30 | San Luis Obispo | Wednesday, March 29 |
| Thursday, April 13 | West Sacramento | Wednesday, April 12 |
| Wednesday, April 19 | Victorville | |
| Thursday, April 20 | Bakersfield | Thursday, April 20 |
| Wednesday, May 3 | West Sacramento | |
| Thursday, June 15 | West Sacramento | Wednesday, June 14 |
| Wednesday, July 12 | San Diego | |
| | Pomona | Tuesday, July 25 |
| Wednesday, July 26 | Long Beach | |
| Thursday, July 27 | San Dimas | |
| | Pomona | Thursday, July 27 |
| Tuesday, August 1 | Ventura | |
| Wednesday, September 6 | West Sacramento | |
| Wednesday, September 13 | Pleasanton | |
| Thursday, September 14 | Pleasanton | |
| Thursday, September 21 | Redding | |
| Tuesday, September 26 | Madera | |
| Thursday, October 5 | Monterey | Wednesday, October 4 |
| Wednesday, October 18 | Victorville | |
| Thursday, October 19 | Bakersfield | Thursday, October 19 |
| Wednesday, November 1 | West Sacramento | |
| | Pomona | Wednesday, December 6 |
| Thursday, December 7 | San Dimas | |

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Appendix C

Compliance Assistance Program Publication Order Form



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Publication Order Form

Compliance Assistance Program

All handbooks and pamphlets listed below can be downloaded free from the CAP website, <http://www.arb.ca.gov/cap/handbks.htm>. You can also order printed versions of some handbooks, pamphlets and technical manuals. All publications are free to environmental government agencies. Handbooks are \$2.50 each for businesses outside California. Printed technical manuals and CDs are \$10 for businesses in California and \$25 outside the state. Please send completed order form and checks payable to the "California Air Resources Board," Compliance Assistance Program, P.O. Box 2815, Sacramento, CA 95812, call (916) 327-7211, FAX (916) 323-3303, or email cap_pubs@arb.ca.gov.

Handbooks

- ☐ Aerospace Coating Industry
- ☐ Agricultural Burning (English)
- ☐ Agricultural Burning (Spanish)
- ☐ Asbestos - Demolition/Renovation
- ☐ Automotive Refinishing (English)
- ☐ Automotive Refinishing (Spanish)
- ☐ Chrome Plating & Anodizing
- ☐ Chrome Plating & Anodizing (Spanish)
- ☐ Consumer Products
- ☐ Dry Cleaning Industry (English)
- ☐ Dry Cleaning Industry (Korean)
- ☐ Forest Management Burning
- ☐ Fugitive Dust Control
- ☐ Gasoline Facilities Phase I & II Vapor Recovery
- ☐ Graphic Arts Industry
- ☐ Graphic Arts Industry (Spanish)
- ☐ Hot Mix Asphalt Facilities
- ☐ Naturally-Occurring Asbestos
- ☐ Oil Field Production
- ☐ Solvent Cleaners

- ☐ Surface Coating of Metal & Plastic Parts & Products (English)
- ☐ Surface Coating of Metal & Plastic Parts & Products (Spanish)
- ☐ Visible Emissions Evaluation
- ☐ Wood Burning Handbook
- ☐ Wood Product Coatings Industry
- ☐ Wood Product Coatings Industry (Spanish)

Pamphlets

- ☐ Asbestos - Containing Rock and Soil - What Homeowners Need to Know
- ☐ Baghouses
- ☐ Cleaners and Degreasers used in Automotive Maintenance Repair
- ☐ Limits on Diesel-Fueled Commercial Vehicle Idling
- ☐ Stationary Internal Combustion Engines
- ☐ The Compliance Assistance Program Informational Pamphlet
- ☐ Transport Refrigeration Units
- ☐ Transport Refrigeration Units(Spanish)

TECHNICAL MANUALS / GUIDELINE DOCUMENTS ON CD:

- | | |
|---|---|
| <input type="checkbox"/> Aerospace Coating Operations | <input type="checkbox"/> Incinerators |
| <input type="checkbox"/> Aggregate Plants | <input type="checkbox"/> Landfill Gas Control Facilities |
| <input type="checkbox"/> Ambient Air Monitoring | <input type="checkbox"/> Metal Container, Closure & Coil Coating Operations |
| <input type="checkbox"/> Asbestos Demolition/Renovation | <input type="checkbox"/> Metal Parts & Products Surface Coating Operations |
| <input type="checkbox"/> Automotive Refinishing | <input type="checkbox"/> Oil Field Production |
| <input type="checkbox"/> Baghouses | <input type="checkbox"/> Petroleum Refining |
| <input type="checkbox"/> Boilers | <input type="checkbox"/> Polyester Resin/Fiberglass |
| <input type="checkbox"/> Cement Kilns | <input type="checkbox"/> Printed Circuit Board Manufacturing |
| <input type="checkbox"/> Chrome Plating & Anodizing Operations Interactive | <input type="checkbox"/> Soil Decontamination |
| <input type="checkbox"/> Concrete Batch Plants | <input type="checkbox"/> Solvent Cleaning & Degreasing |
| <input type="checkbox"/> Consumer Products (<i>hard copy only</i>) | <input type="checkbox"/> Stationary Reciprocating Engines |
| <input type="checkbox"/> Continuous Emission Monitors | <input type="checkbox"/> Stationary Source Test Observations |
| <input type="checkbox"/> Electrostatic Precipitators | <input type="checkbox"/> Toxics Enforcement/Guidelines |
| <input type="checkbox"/> Dry Cleaning Interactive | <input type="checkbox"/> Vapor Recovery Interactive |
| <input type="checkbox"/> Gas Turbines | <input type="checkbox"/> VOC Control Devices/Scrubber |
| <input type="checkbox"/> Graphic Arts Production | |
| <input type="checkbox"/> Health & Safety | |
| <input type="checkbox"/> Hot Mix Asphalt Facilities Interactive | |
-

Please provide the following information with each order:

Last Name: _____ First Name: _____

Company/Agency: _____

Address: _____

Phone: _____ FAX: _____ Email: _____

TCAB 12/05

Appendix D

2006 Compliance Training Course

Calendar



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JANUARY 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------------------------------------|---|---|---|--------|
| 2 New Years Day (Observed) | 3 | 4 | 5 | 6 |
| 9 | 10 #100 Fundamentals of Enforcement, San Diego | 11 #271 Stationary Reciprocating Engines, Sacramento #100 Fundamentals of Enforcement, San Diego #100.2 Night VEE Recertification, San Diego | 12 #282 Baghouses, Sacramento #100 Fundamentals of Enforcement, San Diego #100.1 Day VEE Recertification, San Diego | 13 |
| 16 Martin Luther King, Jr. Day | 17 | 18 | 19 | 20 |
| 23 | 24 #100.2 Night VEE Recertification, Pomona | 25 #100.1 Day VEE Recertification, Long Beach | 26 #100.1 Day VEE Recertification, San Dimas #100.2 Night VEE Recertification, Pomona | 27 |
| 30 | 31 #100.1 Day VEE Recertification, Ventura | | | |

FEBRUARY 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------------------------|--|--|--|--|
| | | 1 #242 Hot Mix Asphalt, Bakersfield | 2 #243 Aggregate Plants, Bakersfield | 3 |
| 6 | 7 | 8 | 9 | 10 |
| 13 Lincoln's Birthday | 14 #400 Advanced Air Enforcement Workshop, Sacramento | 15 #400 Advanced Air Enforcement Workshop, Sacramento | 16 #400 Advanced Air Enforcement Workshop, Sacramento | 17 |
| 20 Washington's Birthday | 21 #101-115 The Unified Air Quality Training Program (UAQTP), Sacramento | 22 #101-115 The Unified Air Quality Training Program (UAQTP), Sacramento | 23 #101-115 The Unified Air Quality Training Program (UAQTP), Sacramento | 24 #101-115 The Unified Air Quality Training Program (UAQTP), Sacramento |
| 27 | 28 #100 Fundamentals of Enforcement, Sacramento | | | |

MARCH 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------|---|--|---|---|
| | | 1 #100 Fundamentals of Enforcement, Sacramento & #100.2 Night VEE Recertification, West Sacramento | 2 #100 Fundamentals of Enforcement, Sacramento & #100.1 Day VEE Recertification, West Sacramento | 3 |
| 6 | 7 #340 Gasoline Facilities Phase I & II, Fresno | 8 #340 Gasoline Facilities Phase I & II, Fresno #221 CEM, South Coast #100.1 Day VEE Recertification, Pleasanton | 9 #340 Gasoline Facilities Phase I & II, Fresno #224 Observing Source Tests, South Coast #100.1 Day VEE Recertification, Pleasanton | 10 |
| 13 | 14 #261 Poly Resin, Victorville #262 Fugitive VOC, Bay Area | 15 #290 MACT, Victorville | 16 #244 Concrete Batch Plants, Sacramento #100.1 Day VEE Recertification, Redding | 17 |
| 20 | 21 #310 Cal/EPA Basic Inspector Academy, Fresno #290 MACT, Sacramento | 22 #310 Cal/EPA Basic Inspector Academy, Fresno #284 VOC, Sacramento #100.1 Day VEE Recertification, Monterey | 23 #310 Cal/EPA Basic Inspector Academy, Fresno #100.1 Day VEE Recertification, Madera | 24 #310 Cal/EPA Basic Inspector Academy, Fresno |
| 27 | 28 #287 Dry Cleaning, Redding #100 Fundamentals of Enforcement, San Luis Obispo | 29 #270 Incinerators, Redding #221 CEM, Fresno #100 FOE & 100.2 Night VEE, San Luis Obispo #375 Smoke Management, South Coast | 30 #224 Observing Source Tests, Fresno #100 FOE, San Luis Obispo #100.1 Day VEE Recert, San Luis Obispo #375 Smoke Management, South Coast | 31 Cesar Chavez Day |

APRIL 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------|--|---|---|--------|
| 3 | 4 | 5 | 6 | 7 |
| 10 | 11 #100 Fundamentals of Enforcement, Sacramento | 12 #100.2 Night VEE Re-certification, Sacramento | 13 #100.1 Day VEE Recertification, Sacramento | 14 |
| 17 | 18 | 19 #100.1 Day VEE Recertification, Victorville | 20 #100.1 Day VEE Recertification, Bakersfield #100.2 Night VEE Re-certification, Bakersfield | 21 |
| 24 | 25 | 26 | 27 | 28 |

MAY 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------------------|---|---|----------|--------|
| 1 | 2 | 3 #100.1 Day VEE Recertification, West Sacramento | 4 | 5 |
| 8 | 9 | 10 | 11 | 12 |
| 15 | 16 | 17 | 18 | 19 |
| 22 | 23 | 24 | 25 | 26 |
| 29 Memorial Day | 30 #300 Environmental Cross-Media Enforcement Symposium, San Diego | 31 #300 Environmental Cross-Media Enforcement Symposium, San Diego | | |

JUNE 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------|--|---|---|--|
| | | | 1 #300 Environmental Cross-Media Enforcement Symposium, San Diego | 2 #300 Environmental Cross-Media Enforcement Symposium, San Diego |
| 5 | 6 | 7 | 8 | 9 |
| 12 | 13 #100 Fundamentals of Enforcement, Sacramento #281 Electrostatic Precipitators, Fresno | 14 #100 Fundamentals of Enforcement, Sacramento #100.2 Night VEE Recertification, West Sacramento #285 Landfill Gas, Fresno | 15 #100 Fundamentals of Enforcement, Sacramento #100.1 Day VEE Recertification, West Sacramento | 16 |
| 19 | 20 | 21 #242 Hot Mix Asphalt, Sacramento | 22 #243 Aggregate Plants, Sacramento | 23 |
| 26 | 27 #281 Electrostatic Precipitators, South Coast | 28 #285 Landfill Gas, South Coast #287 Dry Cleaning, Victorville | 29 #270 Incinerators, Victorville #290 MACT, San Diego | 30 |

JULY 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------|--|---|---|--|
| 3 | 4 Independence Day | 5 | 6 #252 Fugitive Dust, Fresno | 7 |
| 10 | 11 #230.3 Can & Coil, Bay Area | 12 #222 Ambient Air Monitoring, Sacramento #100.1 Day VEE Recertification, San Diego | 13 | 14 |
| 17 | 18 #101-115 The Uniform Air Quality Training Program (UAQTP), Sacramento | 19 #101-115 The Uniform Air Quality Training Program (UAQTP), Sacramento | 20 #101-115 The Uniform Air Quality Training Program (UAQTP), Sacramento | 21 #101-115 The Uniform Air Quality Training Program (UAQTP), Sacramento |
| 24 | 25 #100.2 Night VEE Recertification, Pomona | 26 #221 Continuous Emission Monitoring, Monterey #100.1 Day VEE Recertification, Long Beach | 27 #224 Observing Source Tests, Monterey #100.1 Day VEE Recert, San Dimas #100.2 Night VEE Recert, Pomona | 28 |
| 31 | | | | |

AUGUST 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------|---|---|--|--------|
| | 1 #100.1 Day VEE Recertification, Ventura | 2 | 3 | 4 |
| 7 | 8 #210 Gasoline Cargo Tanks, South Coast #221 Continuous Emission Monitoring, Redding | 9 #251 Asbestos, South Coast #224 Observing Source Tests, Redding | 10 | 11 |
| 14 | 15 | 16 | 17 | 18 |
| 21 | 22 #340 Gasoline Facilities Phase I & II, Ventura #288 Petroleum Refining, South Coast | 23 #340 Gasoline Facilities Phase I & II, Ventura #288 Petroleum Refining, South Coast | 24 #340 Gasoline Facilities Phase I & II, Ventura #260 Oil Field Production, South Coast | 25 |
| 28 | 29 | 30 | 31 | |

SEPTEMBER 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--------------------|---|---|--|---|
| | | | | 1 |
| 4 Labor Day | 5 | 6 #230 Metal Parts & Products, Fresno #100.1 Day VEE Recertification, West Sacramento | 7 #230.2 Auto Refinishing, Fresno | 8 |
| 11 | 12 | 13 #287 Dry Cleaning, South Coast #100.1 Day VEE Recertification, Pleasanton | 14 #270 Incinerators, South Coast #100.1 Day VEE Recertification, Pleasanton | 15 |
| 18 | 19 #310 Cal/EPA Basic Inspector Academy, Los Angeles #290 MACT, Fresno | 20 #310 Cal/EPA Basic Inspector Academy, Los Angeles #284 VOC Controls, Fresno | 21 #310 Cal/EPA Basic Inspector Academy, Los Angeles #100.1 Day VEE Recertification, Redding | 22 #310 Cal/EPA Basic Inspector Academy, Los Angeles |
| 25 | 26 #100.1 Day VEE Recertification, Madera #288 Petroleum Refining, Bakersfield | 27 #273 Boilers, Redding #288 Petroleum Refining, Bakersfield | 28 #272 Gas Turbines, Redding #260 Oil Field Produc- tion, Bakersfield | 29 |

OCTOBER 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------------------------|--|--|---|-----------|
| 2 | 3 #100 Fundamentals of Enforcement, Monterey | 4 #100 Fundamentals of Enforcement, Monterey #100.2 Night VEE Recertification, Monterey | 5 #100 Fundamentals of Enforcement, Monterey #100.1 Day VEE Recertification, Monterey | 6 |
| 9 Columbus Day | 10 | 11 #273 Industrial Boilers, South Coast #281 Electrostatic Precipitators, Redding | 12 #272 Stationary Gas Turbine & Power Plants, South Coast #290 MACT, Redding | 13 |
| 16 | 17 | 18 #100.1 Day VEE Recertification, Victorville | 19 #100.1 Day VEE Recertification, Bakersfield #100.2 Night VEE Recertification, Bakersfield | 20 |
| 23 | 24 | 25 #273 Industrial Boilers, Fresno | 26 #272 Stationary Gas Turbine & Power Plants, Fresno | 27 |
| 30 | 31 | | | |

NOVEMBER 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-----------|--|--|--|---|
| | | 1 #100.1 Day VEE Recertification, West Sacramento | 2 | 3 |
| 6 | 7 #400 Advanced Air Quality Enforcement Workshop, Los Angeles | 8 #400 Advanced Air Quality Enforcement Workshop, Los Angeles #230.4 Graphic Arts, Sacramento | 9 #400 Advanced Air Quality Enforcement Workshop, Los Angeles | 10 Veterans' Day |
| 13 | 14 #310 Cal/EPA Basic Inspector Academy, Sacramento | 15 #310 Cal/EPA Basic Inspector Academy, Sacramento #271 Stationary Reciprocating Engines, Fresno | 16 #310 Cal/EPA Basic Inspector Academy, Sacramento #282 Baghouses, Fresno | 17 #310 Cal/EPA Basic Inspector Academy, Sacramento |
| 20 | 21 #290.3 Chrome Plating, San Joaquin Valley Unified APCD | 22 | 23 Thanksgiving Day | 24 Day After Thanksgiving |
| 27 | 28 | 29 | 30 | |

DECEMBER 2006

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-----------------|--|--|--|--------|
| | | | | 1 |
| 4 | 5 #100 Fundamentals of Enforcement, Diamond Bar | 6 #100 Fundamentals of Enforcement, Diamond Bar #100.2 Night VEE Recertification, Pomona #245 Cement Plants, Tehachapi #287 Dry Cleaning, Sacramento | 7 #100 Fundamentals of Enforcement, Diamond Bar #100.1 Day VEE Recertification, San Dimas #262 Fugitive VOC, Bakersfield | 8 |
| 11 | 12 | 13 #375 Smoke Management, Redding | 14 #375 Smoke Management, Redding | 15 |
| 18 | 19 | 20 | 21 | 22 |
| 25 Christmas | 26 | 27 | 28 | 29 |



| | |
|-----------------------|--------------------------------------|
| Cover Photograph: | Lambert Dome, Yosemite National Park |
| Back Page Photograph: | Near Mount Whitney at Sunset |
| Photographer: | Ben Sehgal |